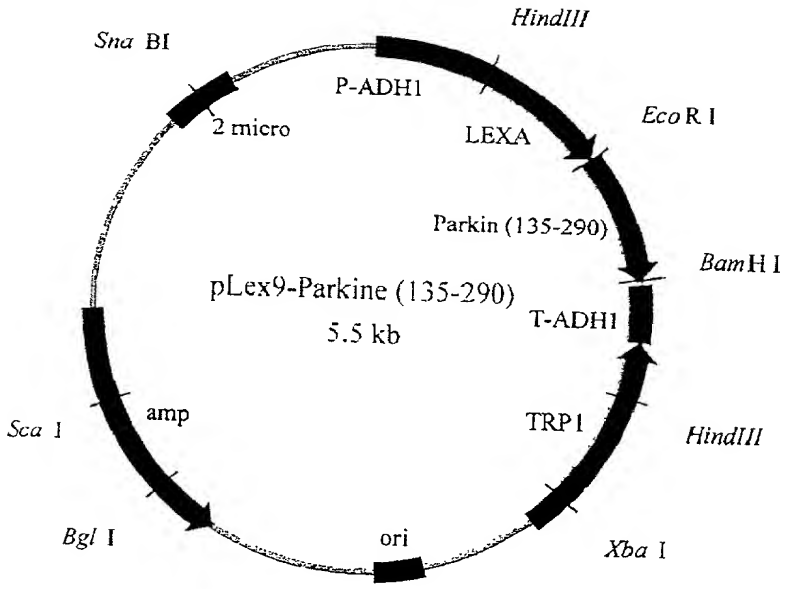
HindIII
Sna BI
P-ADH1
2 micro
LEXA
EcoR I
Parkin (135-290)
BamH I
pLex9-Parkine (135-290)
5.5 kb
T-ADH1
amp
Sca I
TRP1
HindIII
Bgl I
ori
Xba I

FIGURE 1

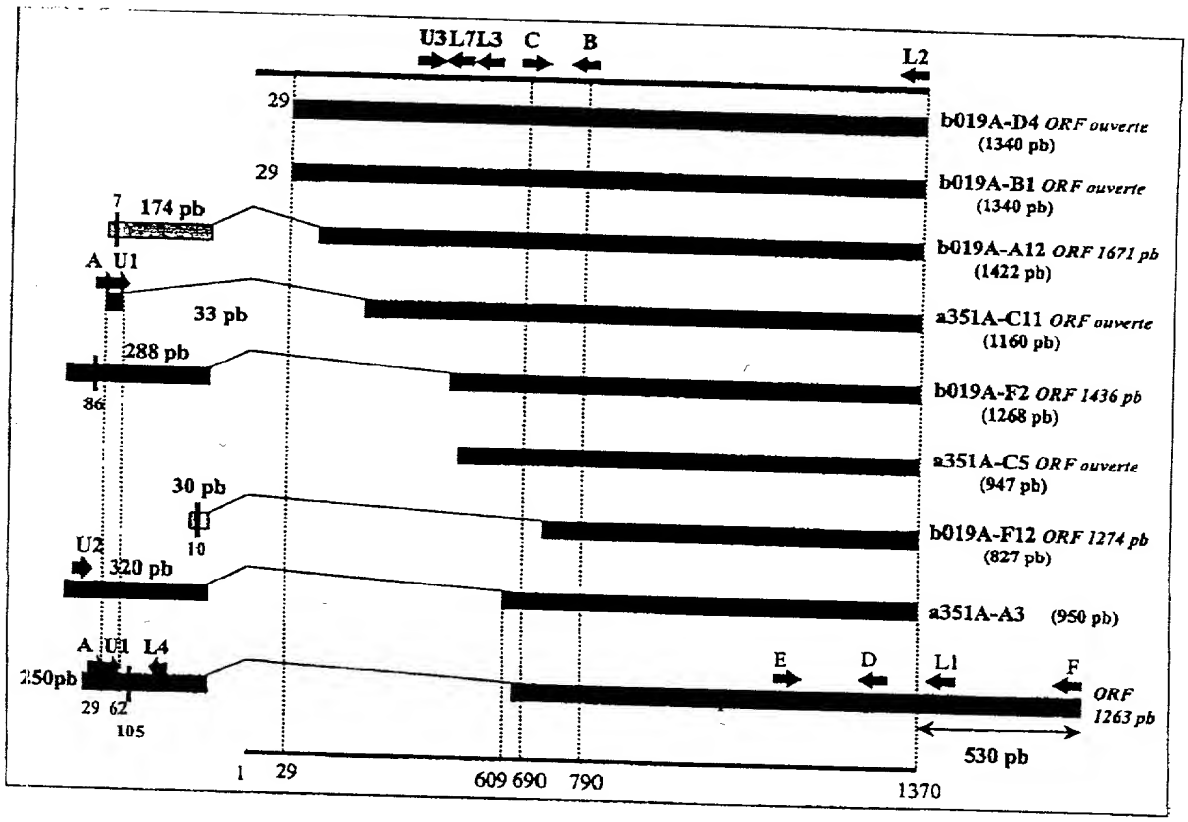
U3L7L3
C
B
L2
29
b019A-D4 ORF ouverte
(1340 pb)
29
b019A-B1 ORF ouverte
(1340 pb)
7
174 pb
b019A-A12 ORF 1671 pb
(1422 pb)
A U1
33 pb
a351A-C11 ORF ouverte
(1160 pb)
288 pb
86
b019A-F2 ORF 1436 pb
(1268 pb)
a351A-C5 ORF ouverte
(947 pb)
30 pb
10
U2
320 pb
b019A-F12 ORF 1274 pb
(827 pb)
a351A-A3 (950 pb)
A U1 L4
250pb
29 62
105
E
D
L1
F
ORF
1263 pb
530 pb
1
29
609 690 790
1370

FIGURE 2

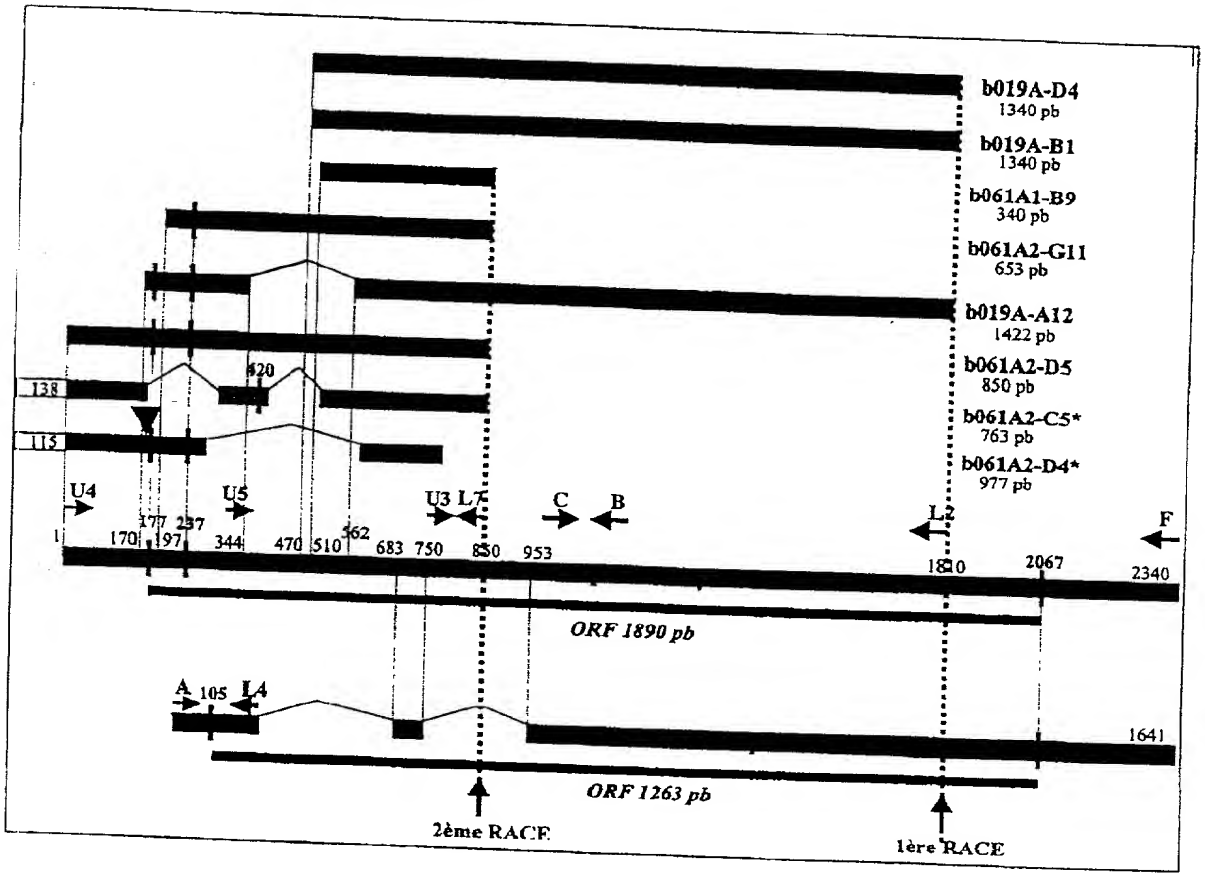
b019A-D4
1340 pb
b019A-B1
1340 pb
b061A1-B9
340 pb
b061A2-G11
653 pb
b019A-A12
1422 pb
b061A2-D5
850 pb
b061A2-C5*
763 pb
b061A2-D4*
977 pb
138
115
420
U4
U5
U3
L7
C
B
L2
F
A
105
L4
1
170
177
197
237
344
470
510
562
683
750
850
953
1810
2067
2340
1641
ORF 1890 pb
ORF 1263 pb
2ème RACE
1ère RACE

FIGURE 3

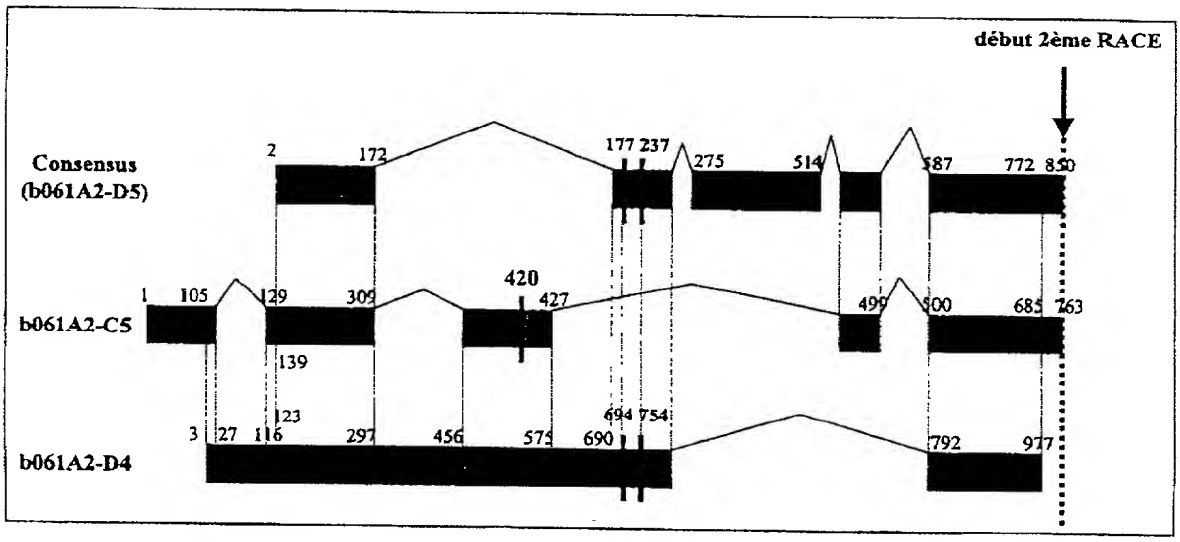
début 2ème RACE
Consensus
(b061A2-D5)
2
172
177
237
275
514
587
772
850
b061A2-C5
1
105
129
309
420
427
499
500
685
763
139
b061A2-D4
3
27
116
123
297
456
575
690
694
754
792
977

FIGURE 4

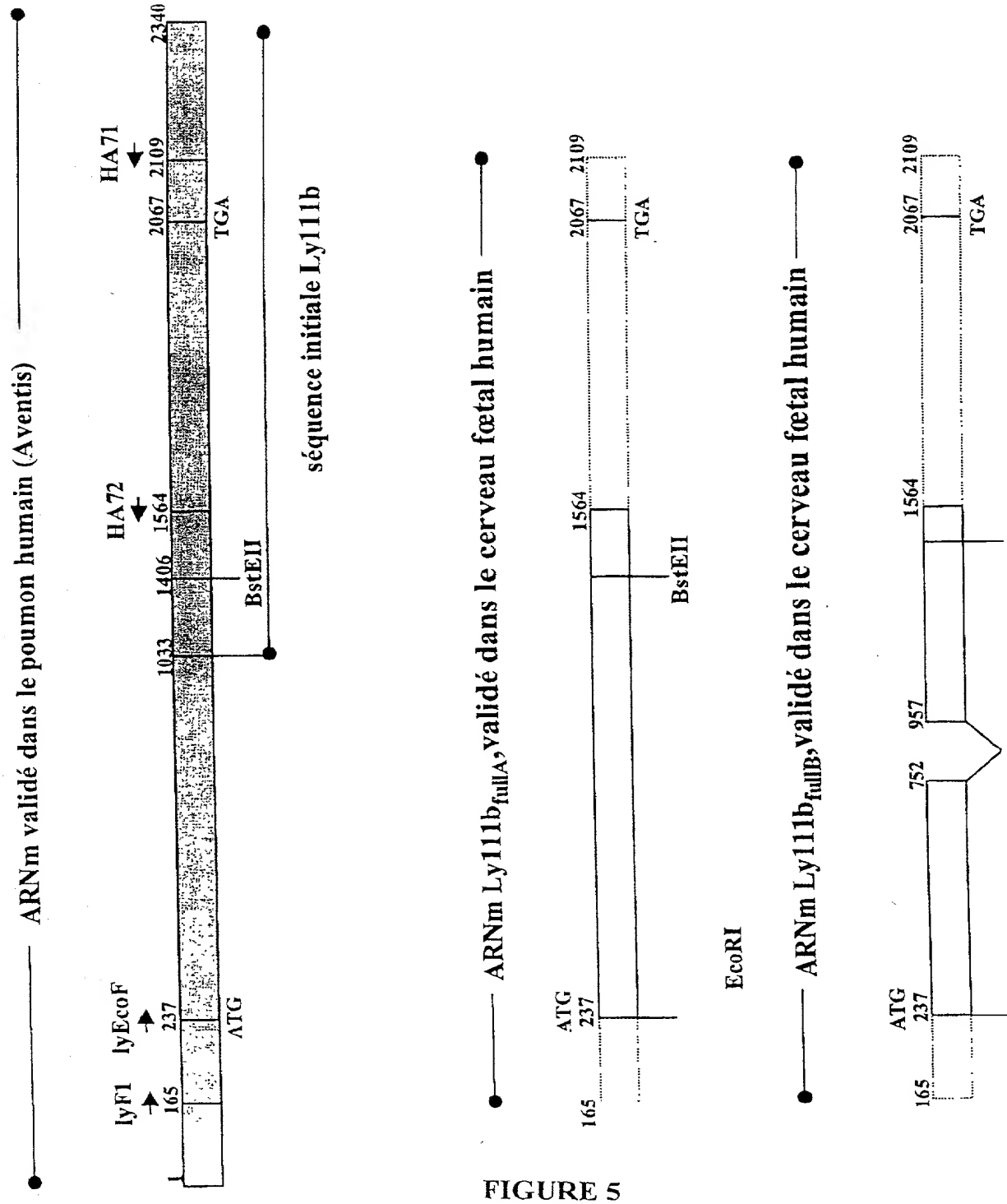
ARNm validé dans le poumon humain (Aventis)
HA71
HA72
lyF1
lyEcoF
165
237
1033
1406
1564
2067
2109
2340
ATG
BstEII
TGA
séquence initiale Ly111b
ARNm Ly111b fullA, validé dans le cerveau fœtal humain
ATG
237
165
1564
2067
2109
TGA
BstEII
EcoRI
ARNm Ly111b fullB, validé dans le cerveau fœtal humain
ATG
237
165
752
957
1564
2067
2109
TGA
BstEII
EcoRI

FIGURE 5

Ly111b-fullA : le transcrit

AATGGAAGGGCGTGAGCGCTTGGTCCATGCAGTGAAGCTCTTCCAACCTGGGTCAACGAAAACG
GAGAAGAAATGGCCCAAGAAATAGATCTGAGTGCTCTCAAGGAGTTAGAACGCGAGGCCATTCT
CCAGGTCCTGTACCGAGACCAGGCGGTTCAAAACACAGAGGAGGAGAGGACACGGAAACTGAAA
ACACACCTGCAGCATCTCCGGTGGAAAGGAGCGAAGAACACGGACTGGGAGCACAAAGAGAAGT
GCTGTGCGCGCTGCCAGCAGGTGCTGGGGTTCCTGCTGCACCGGGGCGCCGTGTGCCGGGGCTG
CAGCCACCGCGTGTGTGCCCAGTGCCGAGTGTTCCTGAGGGGGACCCATGCCTGGAAGTGCACG
GTGTGCTTCGAGGACAGGAATGTCAAAATAAAAACTGGAGAATGGTTCTATGAGGAACGAGCCA
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GCATCTTCTCGCCACGGGCCCCAGGCAGTGTGTGGGACAGACAGAGAGACGGAGCCAGTCTGAC
ACTGCGGTCAACGTCACCACCAGGAAGGTCAGTGCACCAGATATTCTGAAACCTCTCAATCAAG
AGGATCCCAAATGCTCTACTAACCCTATTTTGAAGCAACAGAATCTCCCATCCAGTCCGGCACC
CAGTACCATATTCTCTGGAGGTTTTAGACACGGAAGTTTAATTAGCATTGACAGCACCTGTACA
GAGATGGGCAATTTTGACAATGCTAATGTCACTGGAGAAATAGAATTTGCCATTCATTATTGCT
TCAAAACCCATTCTTTAGAAATATGCATCAAGGCCTGTAAGAACCTTGCCTATGGAGAAGAAAA
GAAGAAAAAGTGCAATCCGTATGTGAAGACCTACCTGTTGCCCGACAGATCCTCCCAGGGAAAG
CGCAAGACTGGAGTCCAAAGGAACACCGTGGACCCGACCTTTCAGGAGACCTTGAAGTATCAGG
TGGCCCCTGCCCAGCTGGTGACCCGGCAGCTGCAGGTCTCGGTGTGGCATCTGGGCACGCTGGC
CCGGAGAGTGTTTCTTGGAGAAGTGATCATTCCTCTGGCCACGTGGGACTTTGAAGACAGCACA
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AGAGTAATGGAGAGCTCACAGTCCGGGCTAAGCTGGTTCTCCCTTCACGGCCCAGAAAACTCCA
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GAAACACTCATTTGTCTTCAGTGGCGTAACCCCAGCTCAGCTGAGGCAGTCGAGCTTGGAGTTA
ACTGTCTGGGATCAGGCCCTCTTTGGAATGAACGACCGCTTGCTTGGAGGAACCAGACTTGGTT
CAAAGGGAGACACAGCTGTTGGCGGGGATGCATGCTCACAATCGAAGCTCCAGTGGCAGAAAGT
CCTTTCCAGCCCCAATCTATGGACAGACATGACTCTTGTCCTGCACTGACATGAAGGCCTCAAG
GTTCCAGGTTGCAGCAGGCGTGAGG

pLy111b-fullA : la protéine

MAQEIDLSALKELEREAILQVLYRDQAVQNTEEERTRKLKTHLQHLRWKGAKNTDWEHKEKCCARCQQVLGFLLHRG
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PPTPPPVSESQCSRSPGRLQEFGQFRGFNKSVENLFLSLATHVKKLSKSQNDMTSEKHLLATGPRQCVGQTERRSQS
DTAVNVTTRKVSAPDILKPLNQEDPKCSTNPILKQQNLPSSPAPSTIFSGGFRHGSLISIDSTCTEMGNFDNANVTG
EIEFAIHYCFKTHSLEICIKACKNLAYGEEKKKKCNPYVKTYLLPDRSSQGKRKTGVQRNTVDPTFQETLKYQVAPA
QLVTRQLQVSVWHLGTLARRVFLGEVIIPLATWDFEDSTTQSFRWHPLRAKAEKYEDSVPQSNGELTVRAKLVLPSR
PRKLQEAQEGTDQPSLHGQLCLVVLGAKNLPVRPDGTLNSFVKGCLTLPDQQKLRLKSPVLRKQACPQWKHSFVFSG
VTPAQLRQSSLEITVWDQALFGMNDRLLGGTRLGSKCDTAVGGDACSQSKLQWQKVLSSPNLWTDMTLVLH

FIGURE 6

Ly111b-fullB : le transcrit

AATGGAAGGGCGTGAGCGCTTGGTCCATGCAGTGAAGCTCTTCCAACCTGGGTCAACGAAAA
CGGAGAAGAAATGGCCCAAGAAATAGATCTGAGTGCTCTCAAGGAGTTAGAACGCGAGGCCA
TTCTCCAGGTCCTGTACCGAGACCAGGCGGTTCAAAACACAGAGGAGGAGAGGACACGGAAA
CTGAAAACACACCTGCAGCATCTCCGGTGGAAAGGAGCGAAGAACACGGACTGGGAGCACAA
AGAGAAGTGCTGTGCGCGCTGCCAGCAGGTGCTGGGGTTCCTGCTGCACCGGGGCGCCGTGT
GCCGGGGCTGCAGCCACCGCGTGTGTGCCCAGTGCCGAGTGTTCCTGAGGGGACCCATGCC
TGGAAGTGCACGGTGTGCTTCGAGGACAGGAATGTCAAAATAAAAACTGGAGAATGGTTCTA
TGAGGAACGAGCCAAGAAATTTCCAACTGGAGGCAAACATGAGACAGTTGGAGGGCAGCTCT
TGCAATCTTATCAGAAGCTGAGCAAAATTTCTGTGGTTCCTCCTACTCCACCTCCTGTCAGC
GAGAGCCAGTGCAGCCGCAGTCCTGGCAGGAAGGTCAGTGCACCAGATATTCTGAAACCTCT
CAATCAAGAGGATCCCAAATGCTCTACTAACCCTATTTTGAAGCAACAGAATCTCCCATCCA
GTCCGGCACCCAGTACCATATTCTCTGGAGGTTTTAGACACGGAAGTTTAATTAGCATTGAC
AGCACCTGTACAGAGATGGGCAATTTTGACAATGCTAATGTCACTGGAGAAATAGAATTTGC
CATTCATTATTGCTTCAAAACCCATTCTTTAGAAATATGCATCAAGGCCTGTAAGAACCTTG
CCTATGGAGAAGAAAAGAAGAAAAAGTGCAATCCGTATGTGAAGACCTACCTGTTGCCCGAC
AGATCCTCCCAGGGAAAGCGCAAGACTGGAGTCCAAAGGAACACCGTGGACCCGACCTTTCA
GGAGACCTTGAAGTATCAGGTGGCCCCTGCCCAGCTGGTGACCCGGCAGCTGCAGGTCTCGG
TGTGGCATCTGGGCACGCTGGCCCGGAGAGTGTTTCTTGGAGAAGTGATCATTCCTCTGGCC
ACGTGGGACTTTGAAGACAGCACAACACAGTCCTTCCGCTGGCATCCGCTCCGGGCCAAGGC
GGAGAAATACGAAGACAGCGTTCCTCAGAGTAATGGAGAGCTCACAGTCCGGGCTAAGCTGG
TTCTCCCTTCACGGCCCAGAAAACTCCAAGAGGCTCAAGAAGGGACAGATCAGCCATCACTT
CATGGTCAACTTTGTTTGGTAGTGCTAGGAGCCAAGAATTTACCTGTGCGGCCAGATGGCAC
CTTGAACTCATTTGTTAAGGGCTGTCTCACTCTGCCAGACCAACAAAAACTGAGACTGAAGT
CGCCAGTCCTGAGGAAGCAGGCTTGCCCCCAGTGGAAACACTCATTTGTCTTCAGTGGCGTA
ACCCCAGCTCAGCTGAGGCAGTCGAGCTTGGAGTTAACTGTCTGGGATCAGGCCCTCTTTGG
AATGAACGACCGCTTGCTTGGAGGAACCAGACTTGGTTCAAAGGGAGACACAGCTGTTGGCG
GGGATGCATGCTCACAATCGAAGCTCCAGTGGCAGAAAGTCCTTTCCAGCCCCAATCTATGG
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TGAGG

pLy111b-fullB : la protéine

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PPTPPPVSESQCSRSPGRKVSAPDILKPLNQEDPKCSTNPILKQQNLPSSPAPSTIFSGGFRHGSLISIDSTCTEMG
NFDN**ANVTGEIEFAIHYCFKTHSLEICIKACKNLAYGEEKKKKCNPYVKTYLLPDRSSQGKRKTGVQRNTVDPTFQE**
TLKYQVAPAQLVTRQLQVSVWHLGTLARRVFLGEVIIPLATWDFEDSTTQSFRWHPLRAKAEKYEDSVPQSNGELTV
RAKLV*LPSRPRKLQEAQEGTDQPSLHGQLCLVVLGAKNLPVRPDGTLNSFVKGCLTLPDQQKLRLKSPVLRKQACPQ*
*WKHSFVFSGVTPAQLRQSSLELTVWDQALFGMNDRLLGGTRLGSKGDTAVGGDACSQSKLQWQKVLS*SPNLWTDMTL
VLH

Figure 7

Figure 8 a

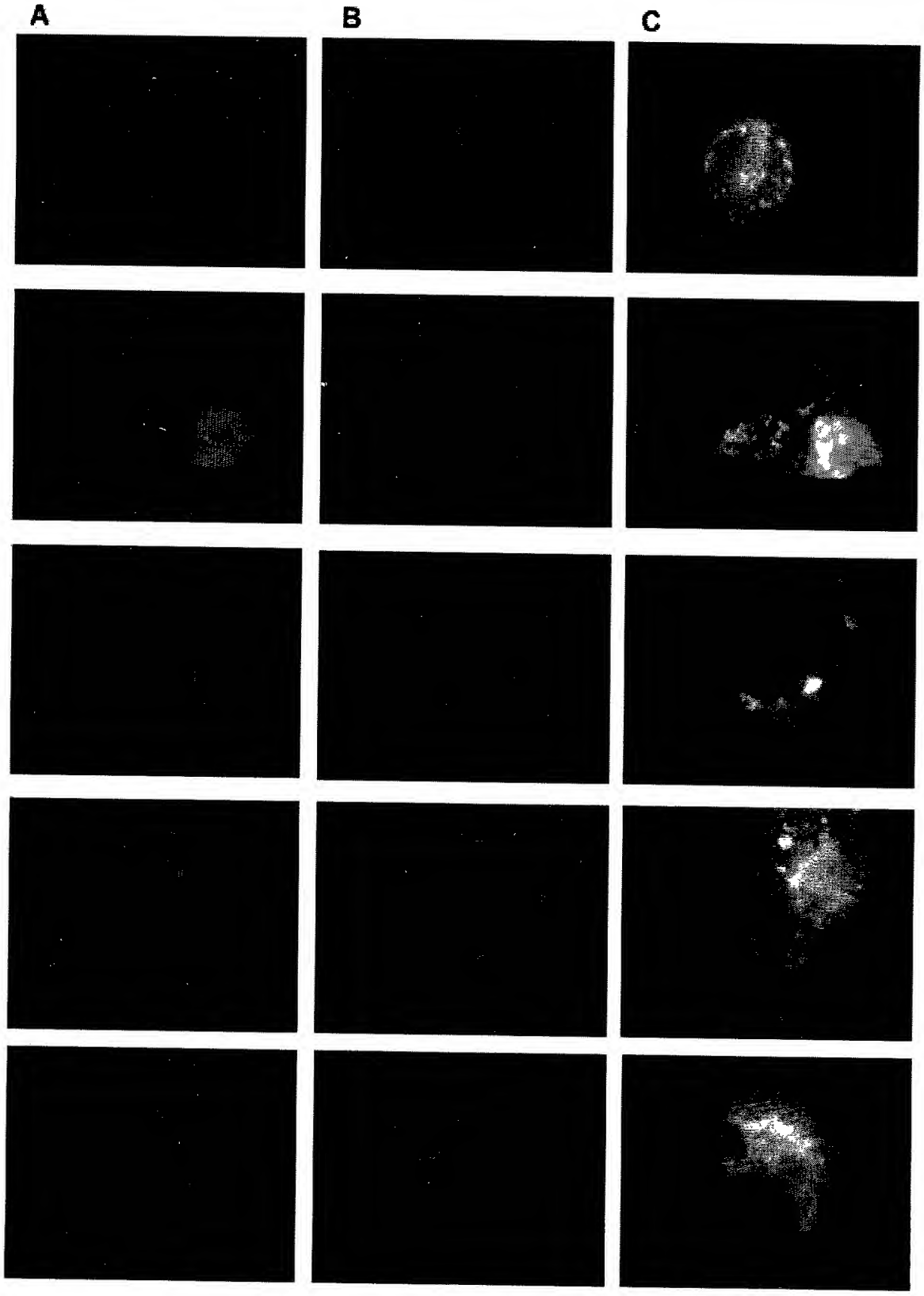
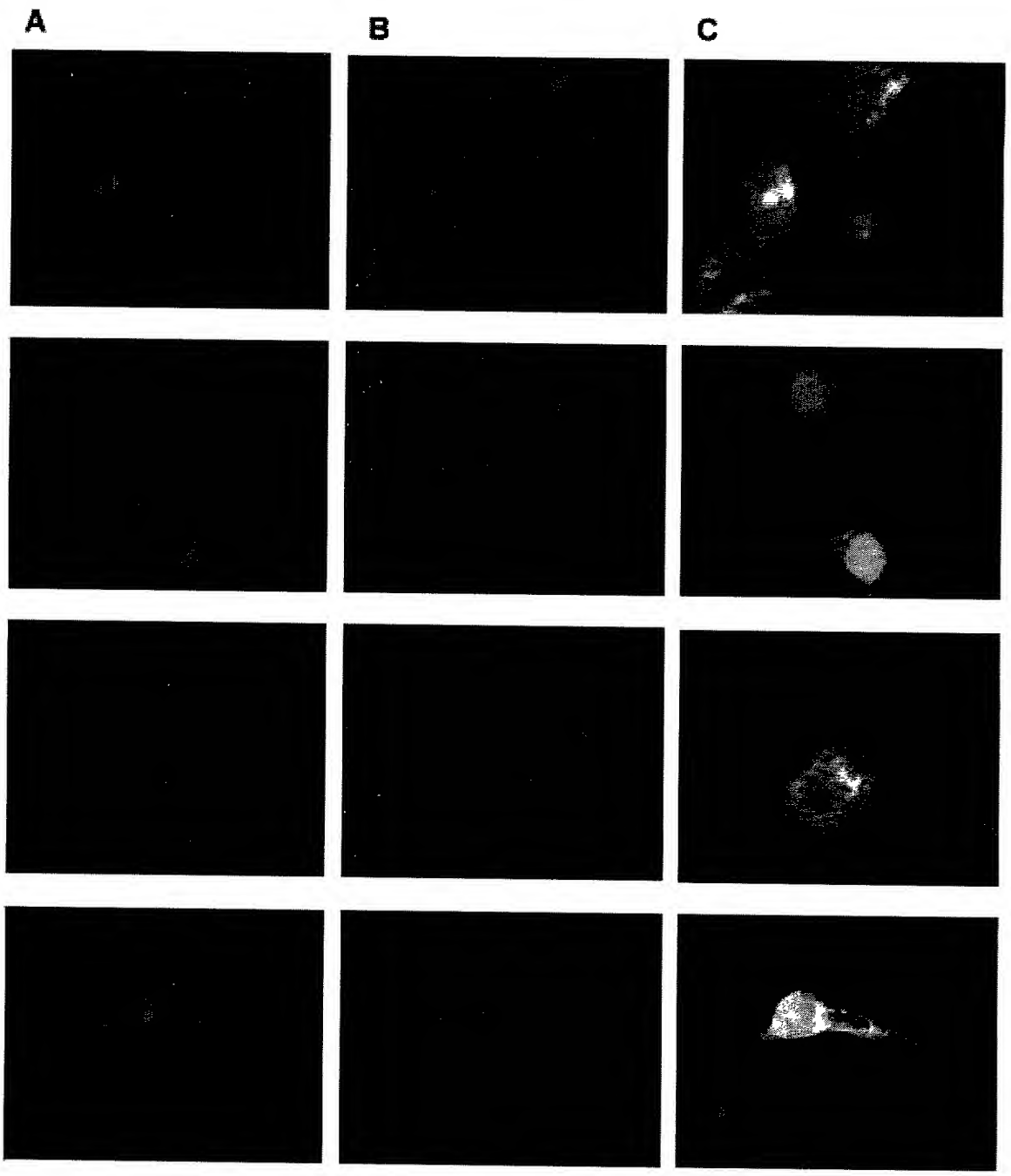


Figure 8b



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TTCCAACCTGGGTCAACGAAAACGGAGAAGAA[redacted]GCCCAAGAAATAGATCTGAGTGCTCTCAAGGAG
TTAGAACGCGAGGCCATTCTCCAGGTCCTGTACCGAGACCAGGCGGTTCAAAACACAGAGGAGGAGAG
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ACAAAGAGAAGTGCTGTGCGCGCTGCCAGCAGGTGCTGGGGTTCCTGCTGCACCGGGGCGCCGTGTGC
CGGGGCTGCAGCCACCGCGTGTGTGCCCAGTGCCGAGTGTTCCTGAGGGGGACCCATGCCTGGAAGTG
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AGCAAAATTTCTGTGGTTCCTCCTACTCCACCTCCTGTCAGCGAGAGCCAGTGCAGCCGCAGTCCTGG
CAGGTTACAGGAATTTGCTCACTTTAGAGGATTTAATAAGTCCGTGGAAAATTTGTTTCTGTCTCTTG
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CAGGAAGGTCAGTGCACCAGATATTCTGAAACCTCTCAATCAAGAGGATCCCAAATGCTCTACTAACC
CTATTTTGAAGCAACAGAATCTCCCATCCAGTCCGGCACCCAGTACCATATTCTCTGGAGGTTTTAGA
CACGGAAGTTTAATTAGCATTGACAGCACCTGTACAGAGATGGGCAATTTTGACAATGCTAATGTCAC
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CCCGACAGATCCTCCCAGGGAAAGCGCAAGACTGGAGTCCAAAGGAACACCGTGGACCCGACCTTTCA
GGAGACCTTGAAGTATCAGGTGGCCCCTGCCCAGCTGGTGACCCGGCAGCTGCAGGTCTCGGTGTGGC
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GAAGACAGCACAACACAGTCCTTCCGCTGGCATCCGCTCCGGGCCAAGGCGGAGAAATACGAAGACAG
CGTTCCTCAGAGTAATGGAGAGCTCACAGTCCGGGCTAAGCTGGTTCTCCCTTCACGGCCCAGAAAAC
TCCAAGAGGCTCAAGAAGGGACAGATCAGCCATCACTTCATCGTCAACTTTCTTTGGTAGTGCTAGGA
GCCAAGAATTTACCTGTGCGGCCAGATGGCACCTTGAACTCATTTGTTAAGGGCTGTCTCACTCTGCC
AGACCAACAAAAACTGAGACTGAAGTCGCCAGTCCTGAGGAAGCAGGCTTGCCCCCAGTGGAAACACT
CATTTGTCTTCAGTGGCGTAACCCCAGCTCAGCTGAGGCAGTCGAGCTTGGAGTTAACTGTCTGGGAT
CAGGCCCTCTTTGGAATGAACGACCGCTTGCTTGGAGGAACCAGACTTGGTTCAAAGGGAGACACAGC
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GGACAGACATGACTCTTGTCCTGCACTGACATGAAGGCCTCAAGGTTCCAGGTTGCAGCAGGCGTGAG
GCACTGTGCGTCTGCAGAGGGGCTACGAACCAGGTGCAGGGTCCCAGCTGGAGACCCCTTTGACCTTG
AGCAGTCTCCATCTGCGGCCCTGTCCCATGGCTTAACCGCCTATTGGTATCTGTGTATATTTACGTTA
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TT[redacted]CGTTGTTACCCATGAAAAAAAAAAAAA

SEQUENCE PROTEIQUE

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VGGQLLQSYQKLSKISVVPPTPPPVSESQCSRSPGRLQEFGQFRGFNKSVENLFLSLATHVKKLSKSQ
NDMTSEKHLLATGPRQCVGQTERRSQSDTAVNVTTRKVSAPDILKPLNQEDPKCSTNPILKQQNLPSS
PAPSTIFSGGFRHGSLISIDSTCTEMGNFDNANVTGEIEFAIHYCFKTHSLEICIKACKNLAYGEEKK
KKCNPYVKTYLLPDRSSQGKRKTGVQRNTVDPTFQETLKYQVAPAQLVTRQLQVSVWHLGTLARRVFL
GEVIIPLATWDFEDSTTQSFRWHPLRAKAEKYEDSVPQSNGELTVRAKLVLPSRPRKLQEAQEGTDQP
SLHGQLCLVVLGAKNLPVRPDGTLNSFVKGCLTLPDQQKLRLKSPVLRKQACPQWKHSFVFSGVTPAQ
LRQSSLELTVWDQALFGMNDRLLGGTRLGSKGDTAVGGDACSQSKLQWQKVLSSPNLWTDMTLVLH

Figure 9

GAAATCATGCCCCTCGTAGAGCAGCAGGTCCAAGCAGGGCTGCTGGCTATTTTTCCAAAAAG
TGAGGCAGTTTAAAAAAAAGGCGGAGAACTAGAATTATAGAATAATGGCACATTTTGTGTAT
TTGTAAAACTAACGCCTTGCATGGTTCACAACCCATTTCTTATGCCTGTGTTTTCCTTGGCA
GCAAAATTTCTGTGGTTCCTCCTACTCCACCTCCTGTCAGCGAGAGCCAGTGCAGCCGCAGT
CCTGGCAGGAAGGTCAGTGCACCAGATATTCTGAAACCTCTCAATCAAGAGGATCCCAAATG
CTCTACTAACCCTATTTTGAAGCAACAGAATCTCCCATCCAGTCCGGCACCCAGTACCATAT
TCTCTGGAGGTTTTAGACACCGAAGTTTAATTACCATTGACACCACCTCTACAGAC[redacted]GCC
AATTTTGACAATGCTAATGTCACTGGAGAAATAGAATTTGCCATTCATTATTGCTTCAAAAC
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AAAAGTGCAATCCGTATGTGAAGACCTACCTGTTGCCCGACAGATCCTCCCAGGGAAAGCGC
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GGCCCCTGCCCAGCTGGTGACCCGGCAGCTGCAGGTCTCGGTGTGGCATCTGGGCACGCTGG
CCCGGAGAGTGTTTCTTGGAGAAGTGATCATTCCTCTGGCCACGTGGGACTTTGAAGACAGC
ACAACACAGTCCTTCCGCTGGCATCCGCTCCGGGCCAAGGCGGAGAAATACGAAGACAGCGT
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SEQUENCE PROTEIQUE

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DSTTQSFRWHPLRAKAEKYEDSVPQSNGELTVRAKLVLPSRPRKLQEAQEGTDQPSLHGQLC
LVVLGAKNLPVRPDGTLNSFVKGCLTLPDQQKLRLKSPVLRKQACPQWKHSFVFSGVTPAQL
RQSSLELTVWDQALFGMNDRLLGGTRLGSKGDTAVGGDACSQSKLQWQKVLSSPNLWTDMTL
VLH

Figure 10